

Abstract

Pusher for scraper chain conveyors, especially for underground mining

In a pusher for scraper chain conveyors, especially of the kind used in underground mining, comprising an upper member and a therewith connectable lower member, said two members being connectable by means of bolted connections, each member of said pusher featuring one part of one or more chain beds through which a flat jointing plane runs, as well as one part of the recesses provided for the bolts of the bolted connections and located to the outside of the chain bed, the upper member and the lower member embracing each other at least partially, and the upper member being configured as a bow-like bridge element that wraps over both ends of the lower member from above, the two ends of the bridge-like upper member being of cuneiform shape and having upper and lower guide surfaces sloping towards each other in V-formation, and the upper member and the lower member engaging each other at each end by means of nose-like centering projections on the upper member or the lower member, said projections engaging complementary recesses in the contact surfaces of the lower member or the upper member, supporting surfaces are provided between the upper member and the lower member and generate a gap between the upper member and the lower member.